

UNITED STATES PATENT AND TRADEMARK OFFICE  
**CERTIFICATE OF CORRECTION**

PATENT NO. : 7,310,447 B2  
APPLICATION NO. : 10/657219  
DATED : December 18, 2007  
INVENTOR(S) : Takanori Yano et al.

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title page item (73) Assignee: please delete "Ricoh Co., Ltd., Tokyo (JP)" and insert  
-- Ricoh Company, Ltd., Tokyo (JP) --.

Signed and Sealed this

Fourth Day of November, 2008

A handwritten signature in black ink, appearing to read "Jon W. I. Dudas". The signature is stylized with a large, looped initial "J" and a distinct "I" before the last name.

JON W. DUDAS  
*Director of the United States Patent and Trademark Office*